

RECEIVED
CENTRAL FAX CENTER

JUL 01 2008

Appl. No.: 10/809,981
Atty Dkt. No.: 10030938-1

AMENDMENTS

In the Specification:

Paragraph 46, which begins on page 19:

Additional control components of an exemplary printer system are shown in Fig. ~~[[5]]~~4. Here, each of printhead 102 and nozzles 112 are shown. A piezo element 114 may actuate firing of droplets 116 for contact with the substrate 10 or resistance-based firing is possible.

Paragraph 58, which begins on page 23:

An encoder 30~~[[2]]~~ communicates with processor 140 to provide data on the exact location of substrate station 20 (and hence substrate 10 if positioned correctly on substrate station 20), while encoder 34 provides data on the exact location of holder 208 (and hence head system 210 if positioned correctly on holder 208). Any suitable encoder, such as an optical encoder, may be used which provides data on linear position. Angular positioning of substrate station 20 is provided by a transporter 120, which can rotate substrate station 20 about axis 202 under control of processor 140. Typically, substrate station 20 (and hence a mounted substrate) is rotated by transporter 120 under control of processor 140 in response to an observed angular position of substrate 10 as determined by processor 140 through viewing one or more fiducial marks on a retained substrate 10 (particularly fiducial marks 18) with a camera (such as camera 304). This rotation will continue until substrate 10 has reached a predetermined angular relationship with respect to dispensing head system 210. In the case of a square or rectangular substrate, the mounted substrate 10 will typically be rotated to align one edge (length or width) with the scan direction of head system 210 along axis 204.

Appl. No.: 10/809,981
Atty Dkt. No.: 10030938-1

Paragraph 63, which begins on page 25:

Alternatively, or additionally, means for electronically monitoring pulse jet activity may be provided by electronic monitoring means. Such an approach is disclosed in **Attorney Docket No. AGIL-102/10021068 U.S. Patent Application Serial No. 10/452,800, published as US 2004-0241667**, entitled "Pulse Jet ejection head Diagnostic System", filed May 30, 2003. Yet, neither such provisions for monitoring need be providing in a system programmed to operate according to the present invention. On one hand, they may provide certain desirable redundancy of offer supplemental features. Still, their omission may be desired from a basic cost-savings perspective.

Paragraph 75, which begins on page 31:

Array 10 may be set within a housing 14 to provide an array package ~~[[2]]~~30. In which case, substrate 10 is sealed (such as by the use of a suitable adhesive) to housing 14 around a margin 38. Housing 14 is configured such that it and substrate 12, define a chamber into which features 16 of the array face. This chamber is accessible through resilient septa 42, 50 which define normally closed ports of the chamber. An identifier 40, possibly in the form of a bar code, may be affixed to housing 14. The composition of the probe features and material(s) used to produce elements of the array package may vary, but may be as typical in the art.